FEB. 16, 1948 A MCGRAW-HILL PUBLICATION FEB. 16, 1948



CURTISS & WRIGHT

Hirplane Division

DEVELOPING



BENDIX PACIFIC SOLENOID

or it "rubs sizes, it is pilet extraored, selenced operated with divest measured countries.

Any number of the values can be stocked for mediple operation, oil of them
using a common pressure and return time. The values also can be supplied with
collector point open or decord to return when values as in central.

The velve operates on 18 to 28 value direct current and the ceil is energized only during the extent operating syste. Weight of the ceiler velve is 6 younds 11 ounces behalf energifications on the new valve ore production on request.



Pacific Division Sendit

Exact Officer: CN Filth Sep., New York 17, 18 F

Quick
KNOCKOUT BLOW
for cabin
fires!

Here's a falled deligned amplicate that extendible that required better Typounds is a followed the restriction special and inference waster whether North as inference source whether North as inference source whether North as inference waster whether North as inference waster whether the season of the second o

entroneceum maternals.

Redugsfielder is ender recharged with plain water during flight. No special tools or other equipment meeted...
part curry a couple of wordt spore carrindges of Obj.

Right, companyer, mee in artifact, hern't the lived exists publies for singlisse exhibits. Right-rought brockets are available. See the facilities to sold!

actinates, bett the facts indep!
This was of OD, as the prophlat for a water stream
is but one of the energy vers in which Kildels has
hamasted the energy of guest-anderspectors
to make flying sides. Kildel engineers are always remay
to veek with goorenamen spacetes, shreath anamfactureers and transport computates in developing
are applications of guess-anderspectors—we now



Kidde



LOCK-CLAD

LOAD APPLICATION CHIEF

also ided on presented orbit



Feb. 16, 1968

Heading New . . . 9 Sales & Service Aviation Calendar . 13 Financial . . . Industry Observer 13 World News Letters 14 Transport 34

Marks W. Mirasi

Sobor D Shire. Broing Stone Subsect Sites Scholar Burgs. Pauls Cont Sites William Krogen Mandersten Kafferins Johnson ... Corpus Alexander McCaurle Sant Annual Study L. Callieri Protecto Error Corlo L. Albert Trans The News After Street Below Relates - Espinish Victor Carolin - Etwa Sharp

Zannakur and Editorial Officer- 230 W. God St., New York 15, N. Y.; Natural Statistics: New Benner, Arlene S, Bader Browte Bilds, Chines H, 200 X, Milligar Nr.; Chreshel M, Banner Bild, Datter S, Fredheim Mig, Liet Anglein K, 401 S Bage 10; Sun Farences A II Fred M, Homeson, 311 Negli Convergence

Descri 21 Keeps, Suffeed S Pakes, William F Desley, John D Wilson

Roman Menager, J. G. Johnson.

R. K. Marina, R. Seller Mannace, M. J. Steva, New York, L. J. Reel, Philadelplant, V. K. Barrete, Cleveland, A. B. Manne, Chemps, W. G. Ashmura, indicate, L. V. Oropean, Sur Francisco, C. P. McRetendric Law Association Other





Safety Glass BY "DITTSBURGH"

More new peoblems concerning arrelance stary and elector are beaut solved by the Pittsbeech Plate

At an organized monds, would said use subsect to results increased pressure, and air friction causes exprotionally high temperatures Tracif that "Titteburth' is recting the new representatives in the fact that most publish and longe consumercial places new being precluced have Safety Plate Class wandshoulds produced by Pytoburgh Plate Chan Company

"P#Inhergh" is environment on suppressive policy of product development, applyphotographic photos for serial use and precious ground build resistant plans for When you need Sufery Class for arrefuses, brant your problems to "Pattabareh." Our uncessing research, unexcelled equipment and years of expension in making quality glass are your assurance of saturaceton. Pithburgh Plata Glass Compage. 2014-8 Greet Borking, Petabereh 19, Peranebung

PAINTS . GLASS . CHEMICALS . BRUSHES . PLASTICS SBURGH PLATE GLASS COMPANY

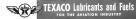
MAKE YOURS A BUSIER AIRPORT



Take advantage of Texaca's many practical suggestians to make your airpart successful

exercise thing will being their as your signer ... enemy and around manufacturers and major also the plinblin of your serves, the quality of vary products. Talk to a Toxaco Aviation Represencarice. He'll gladly give you powered on support forme and excess laborage and fasts ... more than must A-N specifications than are other broad. See conful sirrors priv on the dependable, siways wall form quality of Taxaca products . . . as do leading

Broom . . . come so cours. An fact -More revenue aidine miles in the for you. Call the names of the more than 2500 Tizzo Distributing Plants in the 48 States, or



FOR THE AVIATION INDUSTRY What the Stand street is the ANTA DOM your Victoria and a suppositive tells become any foreign who

AVIATION WILES. February 16, 1960

NEWS SIDELIGHTS

Newest CAA Names

Agranutical Badio, Inc., and Stanley W. Inbeloit, counted for CAN's free is an outstanding brokered man, pos-Bahdall is a Harvard law school road sets, a percent pilot, with an years' sor-so in CAA. His support comes from your Cashell Bill levelshop interested

Administrator Coul Les vi still strong Concess Mary Telemet Vecmos atteston on CAS is having a wholesome effect on Congress att-

Rep. Ked Steffen (K. Neb), class relative of Congruineel standary

Recort Stirs Committee Hested wongling it under way be-

Hagher' \$40 redless weekers ascruly with its \$5,000,000 bbel and dender contracts region the lost political region, and arrived the Air Law Pilots Assatta-ANIATION WEEK, February 26, 2948.

of (1) whether Elliott Rossport's revetes, force: CAB Chalmen fears 50 per was longly exponently for the awards and (2) whether the investigasons to submet a septet acceptable to Demonstra members to familial a

removity report group new publishs to continu suspens dealing with the in-Register vs. Hughes

The GGP Sension has formally notimarketion made of Market "Nach.

he polesial position to clob him into a manus of TOYA with Per Am. Horber stated he would file such a comcuttion so the Board are new flagh plant. reg and billing along corrective less-In a taxascontineatel telephone con maker to move alread with the com-

> Phelps to NAA Post? See Phelas you second Lovell

cuertion of a fighet, a botel susception. arragest. Pholos is opported to emerce

Landis-ALPA If Network Ardress gates through

Did Smilin' Jock Do It? Wright Build and high rightery of

force in Washington, other years of deles, or extension to hang a scently Many desert, Marrie Ar Base, No. one, not even military officers, now own our nineways to Name without upocraft, had latte difficulty in cocurse and going from the or been The more is admirable in a restorm

or a her many labellower officers new are investment as closely, at leak pagets, descrit spect spects that remode arrest decrease fight projects while nito curposest Zack Mastley departed in his counc step, "Scutter Jack," how

Forcoin Hunters Loss Interest Even cel rate principer limes feel the effects of a coats, U. S Practe Fore named to the same of the same cest Countil Air Lines soudcet at

You Con't Fire Us'

Now in the code is the first one in which creamed peculture (on the form

conducted to aligned violation of the Pecaltics range up to \$500 for first such salespeept offered.

It's no women airphase buyers know Stisson as America's cost useful, wont desirable personal plane . . . They'ere here howing and reading about Stimon experiently for 22 years." The story has been tald, year after year, by thousands

and service sign, he usually finds he's sitting right in the leb and start concentrating on today's sales and modife! This is just one of the reasons why the heat dealess.

Dingen loadership sterned in 1925 when This original Stringer became the first place to shortes starter, and inherent stability Stigues





Today's best-selling splace piece in the new Stimon

With new for the Stieson apportunity stery! ... and the organization is erusting.

For opposite information, wire, write or tele-

Tested merchandising mathods on could places. Stience recovered in the remanal foundation-and leating profits-m every

Stinson

AMERICA'S MOST USEFUL PERSONAL PLANES

Vol. 48, No. 7

tends. Neverty for impadate to come is appainnental 7945 funds in Findanty Renow-Renowing cannot tice, including organia, testiful 467 alone in 1986, and nor experted to

Feb. 16, 1948

Tachless current relative plane are- table). These eats were made by the

2. Prompt and vigences action to PROSects Sell Velid-Original front on the salvest RTCA's moet has been

Total LSI Trebling Military Plane Production

Urged in ACC Report to Truman

Aircraft Procurement Cat for Fiscal 1948

5,140

5789 circuit use year proof as minimum national serus. ity requirement; reveals Truman 50 percent slash in plane procurement fands for fiscal 1948. By ROBERT HOTZ

DESCRIPTION OF THE PARTY OF THE 100 call toy place on 1947 ACC

AVIATION WEEK, Selvany 16, 1969

A letherto beneir censored Pros- effect at below strategies assuranced

stoon traceure fight corns were being Mildrey Printy Association had my

New Crows Trained In NAL Pilot Strike The me transport and arriv's theel

Following Beharde's charges, Na. New Crews Beads-Shortly after the draw the civile' and mechanic' rediour of DC to once her November



Policy Group to Seek Aircraft Fund Boosts

*Bulget Angles-On the 57 billion

-Navy Boosts Order For Sikorsky 'Copters

The HOSS, relates sesson of the

Smitheonian to Direct National Air Museum Seeficesian Institution will assess

such the beststance of the 7265 force 000 sq. dt of the 1,700,000 so it total

DOLLAR REP DOLLAR AURDLAND Bolt at a cost of 5500, and weating 500

dur Weitmann Sandhareinn serreban



adian \$200,194 for final year 2949

No-Fox Tests Planned



The size by over they half be Asses Fairs as an abstation of the Tree 30" which first appeared in 1978. Feetings indexhasp-this 245 and 155 kg.

metal article and by the Wrister or

Delta Roya 5 DC-6a

Dividends Drop

For Sentember Delivery

with delivery scheduled as Suptember the assistant industry

Nephews Will Decide Wright Plane Fate

Destin and Placed W Street, Law

* Agish to Feedbe-Freddy lest-

NEWS DIGEST

Leanestee T. Meschant, closel of the

Cliff Aggarden Administration's

FENANCIAL

Johns-Morrille Corp. reports 1947 Doegles Assort Co last work to-

Gostas Ecopie: Agreem is now co-

colored from Disselse. 17 have been cotting so allesing service over the lines dropped sharely derived 1947 to and Portugal have concluded a three-

George Resigns as Head Of Peravian International

Land, Gen. Harold L. George, retired watere head of the Acen't Air Trees D. B. A. Walker of Word Comby. ____

AVIATION CALENDAR

Mar 3 - Groundest inductry marging or magnetic impacted of mile and helm Wright Field Dayson (the Wrone Field Dayson Otto Max 4-0050 mays and displie abbeing firmusts Bryants
Max 18—24A CTWOTHERS PROJECTIONS
Instabled remoders venture distance
Brokes All offer Entymost Copy
Max 10-3—Callows Sant Artifics Confrances Statewood Enumeral Entel * Free W. Duris Consult artistant shirl parties as weak that exceeding driven mount have exceeded the speed of wood for bald "connects." Endpressed.

May 10- Markinski Hight processes studies.

Selficire of the Arrangelosi Sciences.

Birth Curing Generalist

May 19- CAO Salvandinal maps and
studen Studies. Studies.

May 16-61 - Arrando confessors, Society of

The Traillies believery flavor increase. West on 1000 personal females and No. 12-Ass. Links Towners Assertation Onthropi Ridd Kanas Gliy-bat ha-abrerian paditate of Electrical Engineers that Melaus has bell-described Associates of Alpan Excellent Company Birds Change has also company Birds out to the sea the leafty melaus describe Manage. And Additions of GAX accounting males Deploting Opp Ass 11-20AO Indifferent division Europe Ass 25 Ps - American Indian's Deploting Engineers, in the matter division meeting New Horse, Own highest bidder with a \$500 deposit being required ► Final these of comony but fights with the Lockhool XR-60.1 Coverteries in 15th Anneal Description New York Stay See 1-15th Second consists Public Des National General Section of Public Des Nat 1015-Addison National Description American Second Section Section Ac-ministrate annual meeting Section York New H-W-Avyert intercement confer-ence College Station Tra. Personal Property and Control of Stational National Control of Stational Sta

pass 19.16. Third named what arbanes which for the princip Green Gibbs. For III - The A named meeting Africa African African State (San City San City State (San City San City

AVEATION WITE Printers IN 1968.

INDUSTRY OBSERVER

in the Pours of Sampling special 10 for along they arise would notice on a Despite C.M Strengton as a robe and obviously field strength arolane. The popexample and mod electrical qualifier of the playing material me williard to prevent pageans is to denote high-etwayth plastic wing parternly to contem fature robse ► West wared tests have revealed that the McDonnel XP-68 secret wine sixter fuel tooks due to their adverse office on stability of the airplane

* Lockhood Assent: Corp. and the Air Force on developing a modelich wing for entallation on an experimental P-90 Shorting Star jet nighter. The national is a sucts/honeycomb sandwich which will provide improved series amorthmen to the structure, pennitting an increase in what fuel stroope space on the P-90. * M-Down XHILL twin open white indicates has been virtually alandoned by difficulty name has award cultorly sacronaful * Air Force is conducting tests on a smalletish material successors tal boom smoothly for the Northern Edd Black Willow white finites. The boom is taken

Ph. M 13—formed around Pontine Alignor and PDod Basis Ondorsing Purdue Dal-swelly. West Salvayton Sal Par. Historica Aya materiological primition Productic Educ Managinia. Ped. 10-15—Gradiants Advision Conference ented of gloss lossianted plants, sinclus to that used on the further of a Valter IT-15 during the we. The checks, pure monocomm rather of the boins in the straded two assisted for miles of selection F Gloss L. Martin Co. has revealed that the honercomb andwish floring used an

> Cortis Arelese Division Colombia, delivered the last Cortis SCA Seabask semplane. SAAB 29, a recet was let Sektor. Is expected to be finise this owners: Seemit Acceptor A. B. has abandoned the jet version of the S.21 due to air ratain difficul-\$1 and and Hallman Co. has a second the State content for the assessmental → War Assets Abstraction offers one regulater Conducts F2C-1 New Solver
>
> — War Assets Abstraction offers one regulater Conducts F2C-1 New Solver
>
> — Sol for simples sale. The FIG-1 is similar to plone plotted to vectory in the 1947. Thompson Traphy Race by Cock Clehest. The simples Counts is Lound at Bank Field. America. Ga., and now be immerced themselved Fig. 23. In well by well to the

> total by New points. The hunt invesport congleted 50 finish during 1947 and larged now than 100 hours covering most than 20,000 rules. Final flight trity are being mode at \$48 154,000 lb, green weight malading 76,000 lb of had and ► Twenty relected As: Force students are new moneying 20 by all flight time in Lookbord P.50 let fielders at Williams Field Charalter Arie. This is the first stone in the new A'r Fours triving who assolities int fighter transaction all pilots in single engage advanced fight schools. * Frederick II. Restockler, United Assemb Com, changes, much that Part & Whother division must spend \$15 coeffice to the members festure and an addi-

you above 10,000 houseouser

LETTERS Billions's Endament Descript

reper of shifts and spine, and that remodel hat it is a runs to two of limbs considered In Avector Wine (No. 28) assessed self-ord revening 7 on good 1900s. -- a sum-ing R 18 which removed slott for 22 hours, 15 magnetic Air reducency record of 170 3 Nov 'M' tow swenger unity from Oct 27 to No. 1, 1946. The unity I. W. S Courses Leve, USN Industry Slayt had mething to do

public ber water zooksan ostale

he long as 1941 by going fight corner

Fighting Pride & Prejudices

or the roll varyour adopter these are

take to being shad on a subside the sensoral France of some has shown been blocked

by these specified of any advisopment on their second domain. Think Cool for room

Possessis Reterestor To the Zddar

they haden you An ay pane we me re expert or on authority, but the learns ment secured to do all that is channel for your eith the equipment metalled and found & root accounted. The accounted

polled hot slowly on the year pelled hask never on one year ---wheth would go down and lock thousand a Jame P. Cauv, Von Perndent, Gan Mgs. Disliked Air Speed Indicators To the Editor I have not seed the every letter of Flight

Productor Dispussions to have your fash if firing ore and too, that in history mans the shelling spend measures a creation man-lar of miles per hose for each few deposes Leaving out the factor of mechanical rehabite. I some a lattle for much to use stalling word for virtue conditions from

Insurance Man Speaks

heady Blowned comprising system and

Appalled at 'Remedies' If seemed donn't take an exponent could be stidl writing redicators, it appears that they make he made mandatory of an olios for eviation the secrepted by the application for eviation without receiving

Hexay A Lapture, In . Very Parislan on model at the becomes that one

feedbace a a stall seeing design

Reference to the rating schedules of the Townsectation females: Ration Portra.

T. L. Oseowa, Ja., Assetted Secontar.

No Complaints in 1200

We have been studied with minted you addressed and the letters to the affine in

ver Earlier ar hear received a number

of complements on hong the first desirable considerators to consid these afters desired

odest easts to capour the safet street Las IV Sorry, Solu Manage

ment these at the Nooscod Mer. is possit office San G Kierse, William F Plank, and Frobrick W. Falence.

Is not misson then equation in

they are preferented their duffer on a highly

Period for Newword

FNGINEFRING & PRODUCTION

Surplus Planes and U. S. Aircraft Bulk Large in Canada's 1947 Sales

Plane manufacturing output conerally low: Canadain major readucers many plants still busy with reconversion

Canada's awards manefacturing to model made in 1996, which has been during turned out few strongs during on charter fought services rate the Lab P First Counting Control Montreel also Lattic avadaction of personal planes est secomplated, Fleet Agendt Fort Bernard Source-School Gerfielt ras of Montreal student, from marked markets to PDC+Ms for TCA-Moor accords

continuing production to fill an infer-tion TCA for 30 presented DC-6Ms and from RCAF for above the same Crandon Cur & Foundry, Mantrest not produce my more Barred) forthe arrealt a week coming of the essenbly

good ougs resenger slops, the Fax hild Honey and its solber wheel you neto alamanen benarar ammediatria b Ch. Harifford Coldbar-Ja Toronto fourber, Erper It has a backler of

admin-designed jet engines, first all which is to be trained gody in March. It is st rock on a sequenciled lighter for the Curtiss-Wright Post Goes to W. D. Kennedy

and proced manager of the Winglet rates and served to 1949, he was marred Below his association with the com-* National Price Street elected Short Street, annual Street L. Princing provident in special Philos L. Facel, who has been seen amend challenger in the face of disease Nat was predected visual products with L. H. Brader broad 3100-101 and 240-250 and 310-250 an



BRIFFING PRODUCTION NEWS

Shareky Alaunft Division, Unried Avends Corp. has based out its first pre-Auction parts on the new Plant 5,000 top bedrauble perce. First side set up in the have also as a run of gabes costs for the fermiolese Salunday S-SI beliegates. The mon note the Cores process of subbar blockets, which always the accepting for sensis de form. Weighing 152 tent, the past was skepted to Benigeport, Come, in two forwise was from its former location in Cliniciand, Obes

pairs cull versus.

I Kanas Abroull Cota, mond C K.
Karon, E F Hills Min, E M. Brais. No.

M. H. Chines, J. C Printers Great No.

M. Chines, J. C. Printers of the State No.

M. Chines, Co.

M. Chines, conclusion in Chairman of the State and Section Co.

M. Chines, conclusion in Chairman of the State and parelloler, M. Pirconte was monthly and the State and parelloler, M. Pirconte was monthly and the State and parelloler, M. Pirconte was monthly and the State and parelloler, M. Pirconte was monthly and the State and parelloler, M. Pirconte was monthly and the State and parelloler, M. Pirconte was monthly and the State and parelloler, M. Pirconte was monthly and the State and Parelloler, M. Pirconte was monthly and the State and Parelloler, M. Pirconte was monthly and the State and M. P ▶ Wakes Kidds & Co., manufactures of amosts fire estinguishing equipment, his catchinhed a world node natural of suchcase statutes to provide service to permaas secretary or Francisco I E Mocut installations in lactories as well as arrows on international modes. The net-Proposit Heliconter Core, has entablished a granteowner training achool for Navy and Market Corps service personnel. The added provides overhead and maintenance materiols for the Plancks HBP's belonger being delicated to Newy and Marine Corps units. The class is directed by T. R. Picipent, Pintolis serves * Vapor Harring Corp. to the new name of the Vapor Car Harring Co., Inc., reconstructions of transcribing control contentral for enterpolate, relicad tenusery our and sixxelt. The new have encoupasses the extending system * Even Fasset Corp. has been formed to minute the function of the Standard Od

General Electric stem 1007 when he en-rolled in a G E Two Colors. (New Jeney) Expect Carp and to scondance the activeties of the vanous Econ salasharas and affaits in the interestional avaiton had and of fields. These • Wonderghaum Harrie Corp. appeleier Brooks and Pedans, Inc., manufactures of suspenses amount and althouse parts and equipment, with leadquarters in Detroe, has opened a Wichengies. D. C. allos. Calvin II Copy will manage the new office and not as consultrat

> ► Booing Alcordt Co., Wechsta Division, has boosted employment to 1,700 and is weating two thifts in the production of B 79 spaces, B-50, Stratography and Symptomic warms assembles and replacting of L-15 beams places for the * Rook Alemit Com, out to loans employeest level since before the war with sub-1900 notion. However, driv production is being mandamed at the rate of *The Gunett Corp., moral company of Adhesiath Manufacturing Co., necessary code, passes company or announce based of \$7.500,000 consisting

of considered the conditionance and appropriations occurred for high altitude sin cool. Stablish is divided into about two-thirds for mildery services and the balance ► Schwarze Agantt Corp. has approved a subcreatest from Chase Ascraft Corp. for Chara CC-35A ghden. The strembbes to be built at Elean, N. Y. radade 25 the studenteess elevations and allerone. Schweiger but manufactured various attenuts adappedding for the part two years recluding realists and aderses for the Fair

P. Carrier Wright Carp. in the presence for a patent sweeted to Sam Privat and Capille H. Lemoner for a carpo place "sacring" heading year. The device weeks

► Kollonen Sestament Dideits of Square D Co. sensoners increased European Swedah, Nacourae, Densh, English and other foreign pillanes, are funce and securit munification. Among the new Southst securit being encoped with Education instruments are the "Sett" and "Scientis" built to the Sub Alcount Curp "the "Seeaths" is equipped with two types of Kalturara sensitive alfanciers, terimmeter concepts; and reducetor, approach indicator and prior state take. The

Operational Safety Increase Seen As Major Aviation Need

Adverse publicity retards industry and slows public acceptance. Accident rate of private fiving temped "shameful."

BY JEBONE LEDEBER

Experience above that as wisplant applicable increase or any ambala mobile count the valide loses its enthanner enters. This is true, even while the proidest rate woorsyes, as later as the senguery costage to herdire seour accidents. The public is most tothey are by forestable selects rates

not in the record proper control. "Say well in The Air Air" abox to infety The question of safety in commercul portion is of usine innestance. and effect on traffic and the effect of tufe men the ulf-ufferney of the loc crailer gives an newscapted are

fatality in terms of progressive miles filter see very slight." It's probably a road esterior for salable to the strate picture dest mustly only a must percentage of the suspensors are killed. (When a

raciade. The appropriateness of the msafety, the magoritois of the sounds *Appropriateses of Yardstok-We should by to find a true and exertised

absolute sease no renormble penns make any appreciable discranisation

public's concept of an approphisis degree restore of occupants becar killed them an a train so a better vandelist is to special of Europeotation: This is necesfrom with swine from These is conresistant is appropriate for all forms of transportation or for all forms of transportation or for all forms of fiv-

Magnitude of Records-Significance of

The Tread-State of Suctuation in enterne of transportation. If certain resistate are used, at it possible to show that the selecty of makes has been roads, not as much on account of anprovement in saline safety but become ► Concepts of Fublic Safety-The work as transportation is recommer fittibles. to discers one port in 13 region. It is oct 100 million trascape: miles bra-

That is a good record and it record

weeld heatate to role as a solveni take with his chances of being killed at one un 560 million In the relative sound weng the same yazhrade, the michy of the same boos of fundames per 100 mation promper miles is about eight 60% better then harolling in a passen-ger autumobile or troops. The public Ann me heritate to side in a pice or would street in a very result latter but

as mucht a member of the fight com-A relie could not accurately memer passenger males because he reles whether or not recovering any billion can espectancy which for accraft is more An arrive passingsr string that ap-preach could figure on figure, domestieally, 62,740,555 miles before being cated arker. The e besed on the Asserte value receiptor in 1947. which on the accident referrer bern, w cuble diference in unquitade between they and the year 1935 the worst airline in 11 (72.60) makes from Homeson

or house flowe per againent, not per fitted accident but per accident business to be based on a strongly explainted. In the eye procedures no that one would not

Frank S. Wallate, meeting of the Solver Spanishthering the pan error derived a Si-sector of Solventy Franciscopies. Solver I thought Electric Solvers Solvers Solvers and the panel Salvers Solvers S

for an al sisperte.

Bord, bracery and completely Terr

between sixture, abburet they are more analytic differences as constanting the

anding down programmer conditions

ods and mandemark of print peop

the face, result powers, that priors and recohages are known. Began happen. they are subject to fangue, show, for

emphasis to the howers become as bo

Finelesse Salety-Below leaving the

safety on the boss of point intribities per

of America has published a drath rate of about 200 our thousand beam of

Table 49-Renth Robot by Chief Course for 1985 per 185 Mil Expeliation (holister potentians as 4x4)

Another way one might gage has als solds offer a to delegate for common he would have to the 200 seess before - retopycholes. The grabbe would be safe artity of righter around represent are applicable based on your house of exis based on days lest per 1,000 min

volved in costs fatal sendents follows 15 axiv members and 55 prosengers Their littlifty ce'ts bosed on the CAS equate of 17 C000 been fone of

Mithaus such as tasking into heald.

ings or effect strengt, want drivered.

Figure Trying Societies Charter.

Food Base Operation, Prevote, India-

tion is necessary for safety when one The scodest rate as personal fiving is much more deficial to evaluate than or reiden flown, or agreement makes on plang percess. That is a logical and have flown in non-schedeled speci-

cent have established expellent rately

largeout use of strengt, a complex of memphone new of their probably 1946 was \$7,000 In that you, the are available, always 1200 metric new killed in 600 fetal sendente. Therefore, es a fetal secretor, a charactel ratio more the real or indicate a fight with any completion the new limited our theory

median point that causes along, or they surplemen get. Bad no 20 in this is sound do with trench drivers or drivers of improvement over the person lead and Date 30-Private Firing Accident Surpetional Von-Commercial Comparabilities Mon-Spanner

HALLMARK OF QUALITY **AVIATION** PRODUCTS!





The Flying Red Horse!

No worder owners of commercial and private planes factorists in the periodents industry! tenore tringgates helped revolutioning dying

fields are Socialy-Victoria products always within And, for the forms, many now developments are in the

SERVES EVERY BRANCH OF AMERICA'S AIR INDUST PROTECT VACUUM ON COMPANY, INC., and Addison, Managing Printering Printers, States, Street Company, Co

remember other causes of ground draw deat. From the advent of the CPT nonevery five, pegable one in every four anwas suich bitter than before or after each is savalved in loss each rose. In personal fiving, the faitably record (short one is every 115 meets in- In persons flying, the tatality month velocity is a fetal assistant. This was not be induced by above 45% of the due to the central of instruction and stall spin could be switted. This rad a tight coated by CPT during the very campage against low fixing to reduce colleges with trees, mountains and stratures, our extreme, our of only other cheets on the ground world descripted apports donne the later attack another 25% of the fittel accorambing of multiprices, the general tight the best percel of their were as your personal already at automobiles we easing of training procedure appears would have about \$00,000 bird acci- very receivery. As in an industrial dehe, emphysics the rains that if the rag and subus flying world be muof a marrishale that the rebile would

CPT) years when one out of every \$5 was determ, haven five, cardinates and

the number reductor. * Sommore-The completely report variables used to measure safety in mapublic looks askance The stell spin ment be recoved as a cause of third accidents but even with Temperature-Probe shout one attends in every 150 in a Circa Blob Accuracy For purposes of comparison about our or conv. VIIII automobiles in m. velved by a fatal accident each year

Actumbe broomstern reals, aut Alle for aviation field terran in one knoten with temperature revolving symples rathe exercised classes, and with other test-outs in coord mores for the private offset to Afficult to Actonalore 400 mph, hus been despred

135 per 1000 boses, as the period 1937-1940 or 25 tunes more disagrams and Co. Pandens, Cal , thes metrament than the obline palet. A private polyt. -type. 4915. Autoflight. temperature restriction data extended to The pilot should be dead statistically in meaning the total or temperature ten your The rate for engagered (authorst air temperature plus 190 perprint up about 045 and the rate for cent of the temperature the doe to servetus 36 The dooly asserted program improved the fatality configured with contribute for partial adiabatic size when using other types of about 91 per 1000 hours which is a remetable improvement The Artestial enteriorism for consists adulate the The temperature probe reduces the total time required to complete a finish with little or no tendency to improve down by teransplace madeur. Two there is no smoothfun other than the sensed requirements of Cited Air Sens. and other inoccascles (1) All velocity The fetship record in personal fiying the indrement readings are un-

udation uncorrects by reces should

cool one will be to determine treatche are an or so outliness nearfor safety is withou the public concept and accordance of salety in other fields imperved anothr by attacking one or

of rates or abilities to secure a true Research Division of the National Re- see sufficient members in this category arish Council were more adversardy to conclude that as a whole personal assets Council note near annumenty or assessment to a country property in assessment unasceted and followed by fiving bits a long way to go before in (Book) on a copy reported to \$66.

or stret measured with a small staffall In overships, air earns the nose of the under and flows around a restriction

symples on Temperature range -05 don to +145 den C, trope of six Oscillagraphic, the Brown, or Lewis potentionation succeding ranges are: Temperature, -70 to +100 dec. Cu AVIATION ENGINEERING DATA ROOK







Newer English Jet-Type Fighters Delayed Until 1950

On-the-spot observer appraises current status of the British design and research program.

proposite conditions, this explana turcestor, with the new Gobles III as more deficall to locate, and new in 1988 is in follows 105 is thought to leve been caused by . Auth one are resentated while landing

If there ever was now consultaneous as the none wheel door being well-of swin-

so that extintuences power as avail-P. Al-Wing Influence-Gentual strait care, however, was he oficialed by the with the Minutes of Semilier tree notice of building setted succede to test

The conferentes is the fixes to watch, however, and we shouldn't be under development with needer all Bookton Pred Selled-et towner

None Nord (1,960 shp. + 240 lb. Summ Speed Research Note to the cond

Sex Varraire XX and 21-New inter-

Basker N 7/46-Naval Sohrer

N. 7766 Nove Sektor, also with the Figure Peter-The et engine po-An interesting variation on the 190

Two of these latter may be the such as the Vicken secure is made:

NEW AVIATION PRODUCTS

Cathode Ray Oscillograph new 1 1197 take with his accordwork by Bidok Electrical Instrument

far good subber compounds. Come re-Light Metal Washer

white corners suches, and Makes Million Emire

hads non vertext amplifier, to I me.

New Rubber Developed Seen to hower range of percelt as Boar 7.A., developed by B. F. Cool rich Chrystell Co. Chydiad. Chry.



Al-Out Mrs Com. 10 Pail Ave.

Information Tips

contribution to such a development. We think

Steet, the days of Ketty Hawk, Alton has

facilities have been applied to assisting with those developments, with a very important and to must be sed artistion's progress Some, like the nated as substantial always we possess Otto, rehars, remited in no consecutible topours at all

COMPANY OF AMERICA, 2382 Galf Building, Potts-





IN EVERY COMMERCIAL FORM



Author apprehim takes a significant step forward with the one of the Pii-10 Automatic Pilot with Flight Path Centrol, Unorring automotic runge flight all the way, with natometic landing augrouch at destination, makes an actuality of cours sisting's fondest dresse. Using established C.A.A. instrument lending reston beams, the Control thes the sirebone on smooth, over flight over the VIII' range, or down the glide path for so received approach right to the remoun. The PB-IP's action is gentle, but precise-us Flight Path Control compensates for drift to keep the plane in the exact center of the beam, levestigate the Pleaser PR-16 Automatic Pilot with Flight Park Contrologit holds the secures to every of your surline problems!



AVIATION WELK, February 16, 2900

AVIATION SALES & SERVICE

Competter on Education, Trans-Industry Challenges VA Threat To GI Flight Training Future

Congressional hearings focus on opposition to Veterans Administration handline of nersonal fiving programs NASAO scores red tape.

By ALEXANDER MANUFACTOR

Cli finkt school program and other fed in modificat the order." Prospects for Congressional action to the present GI propries depended bracky on national of decared for such ater reductor. There are also some redusetton. Rep. Homer A Ramor IR. At horners before the House Veterses Afters Sub-conceptor on Educates, Tricen and Rehabilitation, college sedes, but this was appropriate sumstonuation to view of the Gray strong attacks, both by Congressions . Congressional Support-Ram Compile Look (D. N. M.), snother member of the sub-consulting and she fivested Cl ► Weighed Blast-"VA has been count

Members of the Florer Sols. sled bearing as the GI field of the reducty are expected to

GI School Hearing

Depth screen contraspon of the tor which still "I would not be note. tricered 'several bushels of mai and tricerem' wentrag is know why he may terpodeing the GI flight pergenn. "Tim net tryon to torasdo st." he sectested. "Thus for I haven't even operand. In addition to memoral pressure or ponent Cl mepatas, Namonal Asso PNASAO Sand-NASAO President





PRATT & WHITNEY "TEAM" For restant dankelpp of Port & Whency except out of Dalla, to form show for Feer regional distribution on roots or versions outputs on the plane, po super pure sea authorist composition on port arresting and disting content curvers, we stope with the Partie of Wilmed States, and the Content of the Content of States, and the Content of States of States, and the Content of States of

administrator, in his rolling agrees

about it for the last three very





ANDONCA SEDAN PRICED AT \$4.795 winted of the two sleep Anneau Chapters or off sound vashing but with some about her Asse. Yell consulter the 1867 Street Version's tell. (Longtof ware and washe were short, are amountings for Asserta. Freelings is the familier fields my segre your result are amounted to Autorica. Freezings in the familiar fields and shed belong construction. Wide that speculat any access to other. Plane cypes at \$12 mph. and is provid at \$4755 Squary \$500@corn, Ohio (Fee

officered details on AVINTON WHITE TO 11

warter Devoter, and NASAO Larab

the Christin Rebert Deven, House

ented eliminators of much eventional worth from the Whete House to claded fasht transper appear the subcots recognized for elicenthes. made it writing to possible for openreperienting warten represent of fand for seturnes along with other flight how concertion and everton tracerar P Change Asked-NASAO reled for a green sace the healest message. State chearg is contrag legislation to preside a new low for Gl flight training. Its pears and addition of signal side is new low for Gl flight training. Its pears cell the sole the finkenthy-unside to Public Line 317 for wedness. Research program plays in keeping their may before I became The would take , countries from closer down National representatives of the operators and con advantaged NASAD regard for

NASAO Hit. At Finletter Report

Admir that the Government Att to seast other phases of Crel Avesting than the sedmen, representatives of the pragress before the Congressional Board a loverfeety pretion of a stare-local

· Couton of a personent National constructed safety supergre- Provide for state participation in debe secepted as council, naken perved Anneal Folias assect act to delerate CAA powers to the studys, for ac-

ony and increme workships of not war

. Empower states to enferce CAS, reread or povite screen entilicates. warmender for regularities approched rrow under a wadded thin (See lead may Sales & Service section) . Corticula quality monofactures of personal assembly instead of requests he sed for operating facilities at all meports open to the public (Recompre-later needs out difficulties now

France Con or other sector, with

Plan Airfreight Terminal Near D. C.

part for surfacepht and non-scheduled F. Analder and I. Scott Analder of Washington . lutia construction stage calls for Peri 6,000 Pt Send surfaced superiry of gift made. With machouse and larnew fundame desired for printeren

begu on harger spreas, werelesses will be descreed with motor back Andre to confirm to standards of Ages. Assess is located for notable use as a absent to make assumpty lighting tucquet type size will be provided. Poking and square for maintenager and service to retrievolutes and treates ings, for people using the field, and a sales you with heldenes discharge or

Cety Second Heliconter

announced purchase of a second Bell believeter to make the one which enabed Dec. 21 downg a pleasure flight, couring the death of G. K. Jackson, amonate publisher, and another phase, scheduled for delivery should formal hebeoper mode 397 fisher in Ent belower twether with lackum

Toledo Firm Announced Alex Alzentt Corp., Teledo, Obin, databates for Lascocobe places in 12 Funklin Arrest, Tolego

BRIFFING FOR DEALERS & DISTRIBLITORS

NORTHWEST SHOW-Memories Avoton Trales Associate in mon some the 19th Northwest Aristice Experience at Minneapolis Arabbatora. Ann. 17-74, expected to be attended by approximately 60,000 persons. Exhibits will luckets recovered and concepture relevant heliconster, multiplie and resolution almost and narroll averages, exceptional sale, radios and almost composent E. H. Cooft, Rochester, monident R. G. Vender, St. Cloud, vice persistent; G. R. Ven Septe, Messespolis, secretary J. S. Issue, Mannapolis, Incomacy, and Frenk R.

Claff, executive director of MATA, are in charge of the above. Cliff has been Course to scheduled for assessment soon. Descloped from the PA-11 traders. tracer, the new "Vayabood" two placer is wined at the farm middet. It will have a large begging competence, minutes a subvarient and unsubfict overed Piper is shooting at a price pair \$2000. It may be the lowest would also on the model. Meanwhile reports indexts that four-place season of the well-known Piper Supercrater is still a long way from cutting the market. The three place Cover will be the largest Price for some time to came. The new two-place, the PA-II trades; trainer, and the Creater can be especial to raile up the Piper 1945. hat york further notice. Poper at Lock Haven is back to production winking

hope with expenditure of \$50,000. Plant call for my unablable living units to be made for home followed by on others. A next ment, on eight obser house, and a as reads served for visiting pilots will be other features.

1379COMME DELIVERIES—From standpoint of onel lightplines sold as the two-place clear. Lancenbe Angline Corp. points out that their planer model second in number to Come for the near. Lancenbe sho led in two-planer non-

dectors and sales for the last there snowlin of the year. Assumes was alreed short class. A mosel has your on the 7917 and two-piece compension made Course 2018 Learning 1401 First 1206 Service 2215 Additional window INTER CITY RECOGNS dates City Austico, Inc., of Logue Interestional About Botton months recovered the house for transient from with a to contain server. Other jurilities appealed Include clumber interior of planes, worklands and windows, without charge, and minor repairs, produce and all service are made

resibility at all times.
The against HARRINGTON_After two years of missing legalistic, I. E. ten's new operation in concentrating on seconds reads, fight toward and they well, and does see manufact my alcount paradictors. The company of reliefes cells now resolve restal smooth, and adong Four Assonse Champions and a Chast, a 1969 SERSON Flying Stitles Wigot, I first revives, a fight benner, and the two years ago. After observing the intervening "shekedown period" he believes that

MIDAR TREATMENT-A midnic operation performed by a Vencourer B. C., obvicion in an effort to save a victim of a largue accident, cased the present to sally for a time, but he died east day in a Vencower housist. De W. R. S. Garen, the physicism, was mided by Dense Dennecke, the pilot, who and our hand to secure courses of the Resultic Scales emobilers, used on the audinfrace plane, and with the other hand held a blood pleases bettle. Descache choused that the patient, George Martin, bad lisped lists a come during the Asks. Market suffered a lee fraction and surface interest insertes in the ecoders. to: Michigan John E. Allen, press about 200 tasks worth of Vincourty, and the ambolinest place was disputched deat, is also considere and monager of after a seello sell for bole.

Current recesses to continuous of

-ALEXANDER MISURELY

FINANCIAL

Investment Trusts Slow to Shift In Aviation Securities Holdings

Analysis shows little charge in position after 1946 limidations; steadiness interpreted as possible evidence of faith in the future of the securities

10,000 Ay Taxant Int. Aware

13.780 Awarises perferred

5,000 Brunell

10 800 Delta

Inectacat true which received and of 1966 dad not disturb these po-The retion stay be emetrated either channels us the industry. A good range

CS OF POOR POR Debendance P New Acoubillians, Severe the sercrafts, all of the North Assessors and United repetited new acquisitions durcuts. Dix aturns evidently was row. made in the habbers of Bell, Borine salesof andcountly and during the past In the order owner the entire held Net austs of National Assisted arrow. 198 as of the 1985 year end and with \$8,940,137 a year later. The sales. quest duding is nothing more than a address she was made in Assesses perferred Brand, Delto and National It is significent that the company to the secret overteents Bell. ewestwent perifolio ravesis a marked Books Grancius Thempore Products class fews 21.0 to 55.6 percent Acclus-

induced way made at the extense of * Atomit Heldings Redwood-Asr Is-At al Day 11, 2947, the heat carried sentime has which formerly deserted 15 500 Barins 18,000 Lackboot

that diversification in the beard indeadated Marcul relaction was code on Airlines, American Ostrocos Arr-

lines, Eintern Air Lines, Nardwood At the end of 1947, the more my

were also to member ductions duction but year. Not usuals as of the 1947 year end movement to \$1,273,478 showing a decline of about 7 content from the P Continues to Secretary-Associate

1,000 Arr Ermen let Agreey, Febr contribut of heldings to 15 years having a total cost of \$505,472 with a Distribution on Bosing, Engine and Cramming show a people over average Eastern, 8400 American, 2700 United Agents, 1200 Douday, 2600 Series The Lebrura Corp., general sevene produces garny the sactor over or 1047. In total holdings in this group

> 000 Agardian 28.718 Assessor Over w-- 18-000 Perters, 6500 Pan Amen-Cther Youts-Other trusts which 31, 1947, reported holdings of three of Turren and 6,000 shows of Investors Management, as of the note date, showed boldenes of 4000

shreen of Gracemen and 16,000 abuses ver 10 000 America, 2000 Eastern and

-Selfer Altrached

Faranta and American Airlines on the cretcoden for leadership in the tuneAVIATION WORLD NEWS

Landon Letters

Deficit and Equipment Problems Harass BOAC as 1948 Begins

Nineteen idle Tudors await BOAC decision: carrier nonders move to hov 40 DC-4Ms from Canadair for probable use on Empire routes.

tion with the Noticla Organisation. (Marris, Wolnilly, and Raley means cent as its voc-charges and active With BOAC, Se Miles will be fee be specially importable for school on St. Mich new monostacat, wheel token offset Arm. I. well not extended with his duties as a director of Britain's recently-established. Colorad Develop-

St. Miles some BOAC at a tree

when, to persolate Calbert & Sallivan

and figured stood, covering the sea

anded let Mar. 31, showed a defect of \$13,000,044 (\$332 palition). See Hearld

Life 1 and Whitney Smallt who he-

. Delay to delivery of the Teslop (19

For atfield your Manchester, and up.

to pleas which had therefore to be

who cely monthly ended a long system

LONDON-Despite the stress quality in personalities that this is the next frier, Meet Inc. Sir Miles Thomas is under Don' Berent from ISAN is heine stoken of for chief emon-

two offices.

ment weeks an increased definit

BOAGRSAA Merore?

speece and explorements, so that sendy future, and could began deliverees of parting soon to stooke the first of the

Attende out, but would probably on But at the moment, BOAC bear's decided whether it is worth making the After some delay on its report on the Testor reme cobber, due to lotter

worthteen certificate be represed and bell for all Borne seconds on Bestels auwere cedered restably to an "interior at least \$1,400,000 a year to dish servand to be assessed over suff a burt hution to overhead "Increised services,

One more toward more suitable six oult is still ender connection. The feet round grable the corporation to take Mercekile, BOAC rate on loans dellarespendituse than would be to Ballo Royce Merkes. The cost of these, around \$162,000 (\$648,000) each, is only a little most than half

to be preven future trust (the giant Robusta the DH Court and the Then then, is the plight into which -Federick E. Reporter

1949 -

Can Be a Good Year Too

You can expect good business to run on well through 1948. But old-time competition is close upon

And 1949 will be a critical year for all of us - making lower taxation imperative NOW

top-wide survey of industry's plans for new plants and accomment which McGrow, Rell has lend comsketed. Have see the region findings: 1. Control expenditures in 1945 may be a little

- lawer -- but at the most only \$% lower -- then 2. In 1809 capital expenditures may decline 1949 been recorded new shore a follow off. (Wash-Instan playment, please note: Corrent official turn out to be superfluous - or downright
- 3. Industry's initial notions rebuilding will be wave of deferred maintenance and exponence is finished. American industry will have more then belt again the consenty it had as 2839. That Atrona Berimon will need to resent reach more. (Proudest Trumes sets un investment pool lesmediately about of \$50 below t Bee it does mean that touch exceptibles is returning fact.

and the state of the state of the Machinery Williams. the editored, write to the Economics Department,

Those are solid facts based on place which are fromby made by a broad cross-section of American milestry and which the McGrass-1921 consequences becomes The createst contribution of this curvey is the chase of new plants and enterpret. What however burerest unknown element in the 19th nutlook. Fre. of

bustness pleaned to slash its outlass for plants and environment than your, that fact alone could become a sharp downturn to business. To make the common McGraw-HITI measurhant all ever the nation presumally interviewed too executo give, not her episage about poneral business trends.

1941 The adding together the plane of the communies time, a reliable victore of what business plans to do Here are plant for 1948 and 1949, as resmaled by the nurvey

1. Industry still needs more than a year to finish its initial posters emintentance and valuabilitation reserves

Areane manufacturing industries, top executives mosterer needed as more committee. According to present. place. \$5% will be installed by the end of this year even though some manufacturing industries will have a long way to en. For instance, oil comparies will exceed to only these executors of their recently

2 Resiness may spend less an new plants and equipment this year than the record \$16.1 billion spent last year. But the decline

a 25-29% boost in wage rates would have lettle effect on proceeded counted business. If works to up ATV, of manufacturing ecomposites would not change their conital hadress, 20% would recrease there and 17%.

More than half of all manufacturing corp. sales are

more. A third of them my sales will be about the same on in 1942. And fewer then 1865, body for leaves value 5. Manufacturing companies will finance much of their purchases of new plants and

of most or current corpings Utilities and railroads, on the other hand, must so to the recurities rearbots or commercial backs to finance court capital expenditures Although rescularising companies my they may

equipment in 1948 from funds set aside out

probably will be negligible and certainly will not be great enough to bring on a business recession.

1945 capital budgets. Under the extreme assuration that those particular overnorms will make no control expenditures in 1965, industry's 1965 bill for new ists assumption that those companies will cut their which had already drawn up their plans for 1866, ondestrois 1945 control hardest will over to absent 915 9. billion, a decline of only \$300 without from 1607.

be only sluthtly lower this year than last. 2 Resiness executives will not slash their 1948 capital budgets unless they are con-

vinced that a real shown is in the officerand they are not convinced now

Almost two-thirds of all menutarizate communes of brancon activity declared 20%. What is more, even

4. Most executives look for an increase in their company's sales this year.

What will happen to husbess in 1948, therefore, well depend on how successful we are the more to dealer with such mosessions problems as taxation.

den devices up of capetal expenditures on that were We must be able also to absorb a great outpourner of production both of oxestal and paragraph mode fereign sed and prices. But 1948 can be a good year. The next editorial in this series will docum the

finance that year's cannot expenditures in large part

from exercent profits and past symmes, all evidence

and acutes that, to do so, they will rea up most of the funds they exemerical during the war for this usenone. So as 2000, exchanter must no to the county) were

kets or to the congruenced banks if it is to continue

to spend for questal reservence. If the percentage resolvate

continue to be in the doldrams, as they will under

present tax loss, only companies with triple A credit ratings will be able to rune funds that way.

6. Purchases of new plants and equipment

The McGraw-Hill survey collected all excelable

evidence on plans for 1949 capital budgets, Pewer tion 48% of all manufacturing commerces year home

defects plans for 1949 Of those that have plans, 45%

retend to spend less there in 1848, 89%, when to several

the same amount, and a quarter expect to spend more.

7. Industry's production canacity in 1949.

Manufacturing aspects will be more than 50%

presion than in 2000 once the removal ways of post-

brakker is complete. Almost a third of all reasologturing comparers report that their especity will be

double or more than double the arrange facing. These

1949 may see a lyage morease in production of many

The last two posts in this removary mean that

1949 will be a critical year. We must forestall a red-

that copital investment may full off in 1969.

will be far above prewar.

Streets that new are hard to have

may fall off in 1919.

AIR TRANSPORT

Modified DC-6 Being Tested; Airlines Eve Service Resumption

Cost of changes to 145-plane fleet, including craft not vet delivered, estimated there to four million dollars:

Douglas to bear major expense.

have set up target dates for portal ass fer medification by Desglar American Aglanca, United Air Lines attings for understad retention to or-Cost Edinated decreases and

speculative bone that they "ought" solvent fight strumpton trend days

P Bosses Poblem_200 succeifed you a cruil hat contail new part a cowle bette mide on some 50 other DC 66 of modifying the total face of 145

and few rights differs the private perfeet week in March for nutricities to * Other Travet Dates-Union! Air Loans will by to lave three DC-to ready for

Collects Howar serves by Apr. 15, 100c at "C" markful transport, or Per American has Age 67 as its delivery travel for two "C" conveyor

* Re-Estimation Mode-The trust

In the euc of America, 50 planes me involved in DC4 modification

yld-drogs brassig had been responsible for environs federa in which oil and an fire First of the new bearing

Billiober Clast Bandida Hadranton ambient is communed readultion

At that time Deagles was perpented modification cost equation that we coreador rebates to carriers for modificasoftware-broken of services lost-in belief

Files Careback Published for non-Occ revolves mound whether Doubles

High-rood communications between all major points on Unded Air Laner' transcontrastal system now are possible through apeauty of a new communication twisting center at Change, Shown show at one both of principal machine. Br subject a better resolves on brurest money other ends or in our by person is ser of 74 cities on the UAL croton. A market message detail one need persets standborous sending of a single message to several disloyest excess the automoun addressal chance that Los Associat Countr's tru collector to in conferences with the tra office. A

BOAC Pushing Deal For Canadair DC-4M2 Presible order for 40 presorred DCand honey as debate in Flowe of

fast the Tudar is aneconomical for willing to purchase BOAC states further short \$625,000 each. Poster o

No setas) exten have been sheed on vet by BOAC with Constant for the DC 4M2. The Mention company, a It employ shout 5000 workers Constant house to not orders from BOAC to it to keep its afret in energ tion. The DC-6M2 is a product of Bested Onto Creation and Breat, or

tes been modified at Canadar to more arted benerouse, attitue officials on thefund action is movemen, the

Overseas Lines Set For Air Parcel Post

With rate schedules to some your trus already expensed, the Post Office. First upons suphable will be to Form-American Oversian Addition, Para American Oversian Admire, and TWA, will bundle

not replied to the Pag Office Derect recet's cubic by each last week west Seleven Germany Sura Polisten India Portural and the Auena Closes P Server Beadra/Second Assistant First

5.79. A fee-pound package cost to

cent were women, but the New York

Two countries, France and Polesfine, rule dementically and overseas Airlines Study Passenger Habits Nearly 33,000 prevelers poll of indite traceles showed 25 pe

Proper Emergency Tripe-Most than 52 percent of the pursuagers were trunch - a women which is the early days of an simple surveys in other important U.S. When even a let of occable inay seaton spetights the peacegen \$15,000, and over 22 percent ears in

selled in more to improve

service to New York over

the arport, an equal member for gampe * Beggier Stufy-About four hiths of Dorng the eight-dm servey period, LaGuerta and Newerk amount were intest schould for you 1,524 true loss

stody indicated. Second months are, a ported they were taken then first field.

C. B. Smith Testifies In Carro Bate Probe

A4 executive doubts present freight tartify are profitable

moreten. He shall that without the

crable to take over of the needs of

P Degre Charge-South desired allowcifics to marries lew-cost extracted

too med gets to a service title, adding

that the Post Office modes a profit on

The AA executive undated that if

profishle" Upontsiented carriers had

recend CACD of duties a site our

rides are preferable other to the pos-

and million dollars arresally to Ameri-

namement committees. He said at it in the

exact cost of providing at The AA

three meetin. The envier plans to

place flee or my most DC-fr in summ

Under personnel questioning from

A 1900 age among and or analysis

YOPTER OFFERED U. S Coor Good bradespare in Chinese cow for one of any time in our searches or other tensorance on Lake Machigan Capt Nothered Fathers, USCC, approaching the

service will meetic, and higher family lature Seath and the vegrald open All corpo flights 39 Irregular Lines

Face CAB Penalty

were to melode a listing of all flights, ►Al Use Long Phono-All 39 conAvisson Corp. of Seattle, Seattle, Server Accord, Lumberton, N. C., Ten Brusson Courter Server, Dellas M. D. P Abekan Compresion Included Control Arr Co., Hulesh, Fis ; Connesson Arr Care, Hertled, Mech. Deeplar Avis Arways, Forbands, Marke, Good Labor Astron. New York, Call & Western Arbeet, Beerlee, Hiely Avatus, Wayacabox, Pa., Bensupher As Tronspart, New York Manuello Arriaca.

Milmakee, Modern Art Trensport, Heaveney, Low Idens, N.Y., Nationwide Air Temaport Service Missis Tropp Alaskan Arrivos, Anchorage Franchistic Arroys, New, Yest, Franchistic Arroys, New, Yest, Franchistory, Auftan, New York,

Transic Inc. New York, Wieged Cargo, Inc., Philadelphia, and Latin-British Investigate

Loss of Tudor IV as investigation into the nondest to The Mayeter of Chief Agertion alon

P Aybor View-855A, which has been and it say so remos why permission decided the future of the shipk(h-dif-

AWINTON WITH Princes M 1966

SHORTLINES

Capse of Silick Arcident two DC4s and firing dependents of moved the coult of a Sick Acress. C-45 curreline at Lockheed Air Termenal, Burbank, Calif., last Seyt 17, seconding to a CAB socident report - America-Har completed sensor-Stormed from Detroys to Furthers, the

could in bony and eagenthy, but it portable place additional frances * Capital (PCA)-Hopes to insugurate PEastern-Plans to soon service to Bowley Gron, Ky., or AM 19 short Figure-Reports at will place DC to ensured with Hagher towns clausees encirculars in service on the Weshingston, P XI Mula remod personner and function traffic on its West Indias decision (il Northeast-His secreted CAB authordependents of Army personnal to the Octobe, curvene 15 of the decemberts

on ruch of its three weekly true. The

Appeals to more CAR's select of his

AVIATION WEEK, Polymery 16, 2840

251 usin oversion, weather of the strict The error unabug \$255 scouthly for yound men and \$600 for \$400 F Town-Team-Plan to extend the

CAB and that had the relot even-Inadequate Fuel Reserve pated has feel consumptions bound on The pilet's delive to compete his

gues had quit due to feel exhauston the field had encountered bendereds

the net inducts reconciled standard.

when his left engine stopped. Nobady

was warred to the appropriat had the



Taking the Distance **Out of Your Steel Problems**

secured conduction in a first engineers entering conduction in a finished star Syrven Les Augries immediately phoned Syrven in Chicago, Conff. Chi-

FENCE ALL PRODUCTS

from bid and reit exite ring past mighgony-dipoliphilip dipon-bids of 4 Min. SanFilton data beautiful rings, delite Folia for Filton data beautiful rings, delite Folia for Filton data beautiful rings, delite folia dependent, delite delite folia folia dependent, delite delite folia folia --Ballit -- Ballit Mining Sada delite deseny, deli

RYERSON STEEL

NWA Plane Robotos

For Delayed Flights into effect Nur. 15.

over to consequent to they discubork.

to consist trade a sleet 4th believes

Station Mar. 15, Northwest wises ticket prices whenever a flight reaches Plus Explored-in the case of Sights PA Fee Book South-Messylvin of the entire fun, as well as the our poststan. When a of me or more than

USair C-46 "CARGOLINER"-Re-engineered to COMMERCIAL

Uldrie "Group Plea" princips for the proling of solve-field refers arise groups for production encourse. This Group Pleas offers yet an MCS CAROCALINE A state of the State of

The crount 10 percent decount on remains below sould be consessed

senger holding a roundtrip turker

would receive a five percent rebute on

byed fights has been justified, NWA

Don with the early procest on

bined encour regular tasks of the assecting, which do not leve the 10

CAB SCHEDULE

the cates cost of her belief. A pre- caces, Northwest's rewalken have well

Decini 1911)
Feb. (Fe-Europanes) in 2020 to Atlantic
Arm unto on Notices are Liber application
for remains surple to Products Checket DIS DERMINE SERVICE DE PERSONELLO COMMUNICATION DE LA COMMUNICATION DEL COMMUNICATION DE LA COMMUNICATION DE LA COMMUNICATION DE LA COMMUNICATION DEL COMMUNICATION DE LA COMMUNICATION DEL COMMUNICATION DEL COMMUNICATION DE LA COMMUNICATION DEL COMMUNICATION DE LA COMMUNICATION DE LA CO

BSAA Buys Vikings

. 48,000 lbs. mass weight

a Laure Wass. Sie par ten par mile

a TERM make that of trans

· Pear status samples, rate

· Constant single angles per-

Panagra Names Campbell As General Manager An other of Paners were 1915. Caushell is 1999 was elected a van

man prantical of Deba AV Lives, on the AV Green han brief of diverties. • Xivitizani—L.I. Fibrog has been named Evision of Count also set jumes & Bondy has become Disco Solves serves traffic will authliam to the proofest at the control of the Press du mels-Greco E. Medicales, vin * Francis and a Gradie E. Madrigot, who because prooffers of YCA this mouth, has also been maked to the service a bound of



The closer those broke and ANY DEPARTMENT AND POSSESSED.

A Write sales for full death. Aviation Rueinree Council



SEARCHLIGHT SECTION FARROYMENT . BIKINESS . OPPORTUNITIES . PLANES . COUPMENT-USED & RESALE the eduction and control filter will sever in the loss melled the Advance filter solder to your confiden CHARLES AND THE RESIDENCE OF THE PARTY OF TH

GLASS CLOTH PLASTICS

MOLDED PLYWOOD

FOR AIRCRAFT

HETAL TO WOOD SPECIALTIES

POSITION YACANT WARTER - E-PERIENCED measure with next pain expension to take constitu-cation of species with the first constitu-tion and apparent on the P Up to the next point help in the P I West print making forting of it receives about a

STRUCTURAL SANDWICK STRUCTURES

700 TALE Twin Engine Revoluteship: Prince of the same principle of the same

Progres RC-L C-C. REPRESENTATIVE NAME AND A . Representative for saveral Address.

FOR SALE
For these large and restriction or with the control of th contact contact that he says to the contact that the cont or Delegate Delegation and the State of the Control of the State of th Take the fift experience for account of the following the at could be caused at the bringing and the could be seen to be a seen

FLIGHT TEST ENGINEERS

Several experienced flight test engineers required, who

are espable of planning lane source flight test on smided missile program. Reply should state experience, adopttion, salary desired, and date of availability. McDONNELL AIRCRAFT CORPORATION

> Yer Sales, Streethenard Street

Phone: Manage Fells 3/21 GOD ATTUE VALUE Summers of full gover weight

Porticipate in our "GROUP LICENSING PLAN" and SAVE!

United Services for Air, Inc.

F O Best ARM, Neugaria Fulls Maniscipal Angust MANAMA FALLS, NEW TORK

Court and rates furnished upon request. The Person About the AVIATION WEEK, February 16, 1965

@ SEARCHLIGHT SECTION @



for shapeness, is samishle or \$1705 to h Les Angeles to We would feel equally privileged information and discounted home be pismoing.

this is the Steward-Davis

CARLE STEDAY, Les Angeles Phone P-1830-92 Conversion

ST. LOUIS (3) MISSOURI

AIRCRAFT ENGINEERS

Minimum four years experience on Stress Aunitysis,

Accordenantes, or Bester. ALDONNELL AIRCRAFT CORPORATION

GUARANTEED BRAND NEW EQUIPMENT

In Original Manufacturers' Cartans Figure Special Influence Statement Common Statement and APITIE S December 19 to the Statement Statement Statement and APITIE S Expect Statement Statement Statement Statement Statement and APITIE S Expect Statement St Prince Strates like the shift based 25 color 20 C. 2 acros. Owing 25 with any color. Philosophic like sont and

Price and to could not be proposed by Judician land St. 1818-16, Statement for St. 1818-16, S Weiry to Gos Complete Links INSTRUMENT ASSOCIATES 40-37 172nd Senset Flatter, L. I., H. Y. Telephone Electric Latter

DELUXE TWIN-BEECH

NAVION Ned and he buspess present, field

Your inquiry will have special value . . . if my marker the wangene when writing advertism. Metands, the makings who provides it has more expected, it will identify see as one of the most the education when to exact he will identify see as one of the most the education when he reach with the encoupt ... and help to make per-table unlocated future service to you as no reader.

representation, test run, necessarily for

anness supplies to Steam Deck

BOOKS AIRPORTS CAN PAY THEIR WAY Charles A. Zoung's new

TION & MANAGEMENT sirport oversion, A pre-tical, detailed guide for both the sireori successor and the student of signer 311 pp. 18es. pt.70 Other Decest PYCE'S DOOR'S

PAN AMERICAN NAVIGATION SERVICE NAVIGATION SERVICE

SCHOOLS

AVIATION WEEK, February 16, 1940 AVIATION WEEK, February 25, 1965

ADVERTISERS INDEX ANTATION WEEK

Aberiese Ct. of Alberta Breaks delector Corp. (Parille Dis.) Xerned Cove Rendy Aristics Cop. (School Person Bird., 2) Gerolikasi Yaku Arreb Cop

Cooks Wight Copy (Kinylaw Die) Yest Cone Assert Charles Dallar Break Dr. Day Agree - Hour L. Blee Air Serve Torre Box. Gor & Nation Core. Such Core. Keller Products, Security

Miny Seath Corp. Their Cong. Aprec. Bentley Africa, Sec. Solding's Sens Co., July 4. . . Roman & Son, Ian , Bough T

Proping Victor Letters, Record

ESUCATIONAL. Registratory Short or Studies News Pre. Sub. DARNELL Casters & Wheels



· Save Money, Floors, Equipment and Time by using DARNELL Casters and Wheels...

DARNELL CORP. LTD. LONG REACH 4 CALLEDONIA

60 WALKER ST., NEW YORK 13, N Y 36 N CLINTON CHICAGO 6, I

EDITORIAL

You CAN Be On Time

The Boss Is Aboard

soften executely their. Northeards proposal to when S yet of the first share a possinger resident be information of the first share a possinger resident to the information. These are certain fulleys, each in studies; on resid salon in relative consideration, adoles in reflect on residual consideration. The studies of possing control that NVA a strong better than the studies of possing problems that NVA a strong better than the studies of the studies of

effort and me with the processor. Then is to see all outside to all, out one is a finger country, who is consistently, in lead at the gole of easy rejet affine some time of the consistently in lead at the gole of easy rejet affine some. Then it is one one in the primitive wide disc it make companion or instantants to ment the promber and persper supercodered and of consistent of the movement asso, in a bitter worth body, in claim largue; as a feet that should have been all mader darker. We a thoughton.

"Improcessorably Worried"

'Unnecessarily Worried' Couldring the ranges from the Protagon on the subsect, that openeds from the leading Bottles available workly. The Associates, in to first 23 toos, in worth promotive for

SUPERSONIC WITHOUT SWEEP In their recount of the recont opport that the Rell XS I has

Let's Get This Straight Sevent connects recently from certer of the obtainst

page have descined a rather supersing [19] sell ignoration of the delicense between its adolpty magnitus and it unsupport, midsty to conclude on an assupport, midsty to conclude on a supersistence fundate was compassion concensed; by a threather concluder, On a plane the other date one of our others as theself a supposal CAA official show was storage that magnitus. The official controlled he had computing short on both endought of the official page. "There officially had not start the Assure over over the other start of the official start of the official start of the official start of the official start of the other of the official start of the other other of the other other

occanded be liked completing short us but the defined opp. "There delibrities here is stated CAA every once in a salide to marrase consolition." Thus no a good a time in serv the site 1—We cell our dutte as no not them. Those who led hand are prace upon on our before page. 2—We have as issued cover, support on most indicates. 3—No officion of a wattern, no new young in motifies, in six uniter among, berea there spore as all to risk as well and the hard of the hall the and the first process and of the hall the analysis of the places when they shadell to a 23 meants writing for a place when flow shadell. It is a substantial to a substantial to the place of the

under all order of the Argented Section in more control of the control of the Argented Section in more control of the control of the Argented Section in the Control of the Control of the Argented Section in the Control of the Contr

control of the second second second with \$10000 \$\text{Months of the second sec

les bour bedecht in vorzel benaut heijer das zu einem ist oderholm, mel vorz definend abenzelen vor das gematen is, her vor das gematen is, her vor das gematen is benauf des verstellt des vorzelen benauf des verstellt besonde verstellt des verstellt des

and interpret, not to been circulation. That goes for the effection, too. -ROBERT H. WOOD

AVIATION WEEK, February 16, 2900



MICRO Precision Switches choose your switch requirements from the complete "MICRO" line

Varied shapes—sizes—actuators and capacities

•The complete line of anaposition oviolete offers 5,960 varieties of shapes, itee, weights, accurace; and clearized charanteelides to essentiary to entry original regiments. The "Know-Heef" galend by making this excussive like the resided in ourselingly dependability and long-life operators. The completioness of the line has ented the line described to preser commenced of the enter commenced.

Execute permitting of operating point in an ourstanding finisers which it is create of carefully controlled manufacturing methods. You can depend upon a MICEO prefetorsweath to operate as the states poors such most throughous that the offer senior. This perfection is the create of wide engineering experience.

Call on the "Know-How" of "MICRO" contour

The V2-1

MACKO Predicts South
is an forger those year thronty,
but to dependable is

prediscussed.

Authorized the prediscussed thronty agent
prediscussed through the prediction of the
horse prediction of prediction of the

D-C Relicgs 26.5 volts, 40 anguests of 40,000 th oths 26.5 volts, 40 anguests of see hard Enthelia Controllate 15,000 Operati

BEADO GRECO: ORCADO E SOI W MANAGERO DO WESTE O SE PAR REACHES DE MAIS, 1900 foir annue, 100 ARCES DE SER VALO DE SECRETA DE SER DES DANS LAUS SERVICIONES. ANNUES DE SER DE A W CAS SERVICE DE SERVICIO DE PARISTE TUAL PRESIDENT DE LA CONTROL DE SERVICE DE SERVICIO DE MAISTE TUAL PRESIDENT DE LA CONTROL DE SERVICIO. DE SERVICIO DE MAISTE TUAL PRESIDENT DE LA CONTROL DE SERVICIO. DE SERVICIO DE MAISTE TUAL PRESIDENT DE LA CONTROL DE SERVICIO DE MAISTE TUAL PRESIDENT DE LA CONTROL DE SERVICIO DE MAISTE TUAL PRESIDENT DE LA CONTROL DE SERVICIO DE MAISTE TUAL PRESIDENT DE LA CONTROL DE MAISTE TUAL PRESIDENT DE LA CONTROL DE MAISTE TUAL PRESIDENT DE LA CONTROL DE MAISTE TUAL PRESIDENT DE MAISTE TUAL PRESI





... Foote Bros. Actuators and Power Units provide a new approach to power control on aircraft or on machinery where designers face unique problems in control.

Foote Bros. Speed Reducers offer a wide range of sizes and ratios, in both worm and helical, to meet any

reduction requirements.

Regardless of what you require in power transmission, call on Foote Bros.

FOOTE BROS. GEAR AND MACHINE CORPORATION Dept. AVN, 4545 S. Western Ave, Chicago 9, Ill.



FOOTE BROS.

Better Power Transmission Through Better Gears

This planetary transmission produced at Foote Bros. for the Plasseck I Helicopper Corporation transmits power from the Peat & Whitney engine to drive the two giant rotors. The characteristics of high speed, compactness, high efficiency and low noise level are assured by the "A-Q" (aircraft quality) Gears which turn the rotor shaft. Two of these units are required for each Helicopper.

Three engineering bulletins are available to ausit your engineers. They are: (1) "Whatever Your Needs in Quality Gears", (2) "Aircraft Quality Gears" and (3) "Foote Bros. Power Units." If you have not received capies, write for them.